

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-131281

(43)Date of publication of application : 24.05.1989

(51)Int.Cl.

C09C 3/06

C09D 5/10

(21)Application number : 63-036211

(71)Applicant : NIPPON PAINT CO LTD

(22)Date of filing : 18.02.1988

(72)Inventor : OKAI TOSHIHIRO
OKUMURA YOSHIAKI
ODA MITSUYUKI
YAMAMOTO TAKASHI
JINNAI MASAHIRO

(30)Priority

Priority number : 62 36189	Priority date : 18.02.1987	Priority country : JP
62 36190	18.02.1987	JP
62 36191	18.02.1987	JP
62 36192	18.02.1987	JP
62218680	31.08.1987	JP

(54) RUSTPROOF PIGMENT

(57)Abstract:

PURPOSE: To provide the title pigment giving rustproof performance equal to or higher than that for chromic acid ion, virtually free of pollution, to be applied on metallic materials, having phosphoric acid ion and vanadic acid sources.

CONSTITUTION: (A) a phosphoric acid ion source (e.g., phosphorus pentoxide, orthophosphoric acid, metal phosphate, metal polyphosphate) and (B) a vanadic acid ion source (e.g., pentavalent vanadium compound) are mixed in the molar ratio: P₂O₅/V₂O₅=0.3 to 100, being calcined at pref. \geq 600°C followed by grinding, thus obtaining the objective pigment capable of suppressing weight reduction due to corrosion, corrosion cracking, hydrogen embrittlement, corroding, end-face corrosion, corrosion at processed parts (e.g., by bending), coating film blistering etc.